

Opening Date: April 13, 2021
Closing Date: Open Until Closed
Work Location: Austin, Texas
Posting Number: 21-43
Monthly Salary: \$7,000
Group/Class: B26/0274
Travel %: 5%
Division/Department: TNRIS/GIS/Information Services
Number of Positions: 1

JOB VACANCY NOTICE

Geographic Information Specialist V (Senior GIS Analyst)

*Texas Water Development Board, Stephen F. Austin Building
1700 North Congress Ave., Room 670, Austin, Texas 78701
Please contact Human Resources for accommodation requests.
Phone: (512) 475-2142
Apply at: Work in Texas www.workintexas.com OR
HR@twdb.texas.gov*

We offer a competitive compensation and benefits package including medical, dental, vision, 401(k), flexible spending, and flexible work hours so you can have a work/life balance! For more information about these benefits and more visit: <http://www.twdb.texas.gov/jobs/benefits.asp>

Veteran's Preference

Veterans, Reservist or Guardsmen with an MOS or additional duties that fall in the fields of 12Y – Geospatial Engineer, AG – Aerographer's Mate, IS – Intelligence Specialist, 1N1X1 – Geospatial Intelligence or other related fields pertaining to the minimum experience requirements may meet the minimum qualifications for this position and are highly encouraged to apply.

Additional Military Crosswalk information can be accessed at
https://hr.sao.texas.gov/Compensation/MilitaryCrosswalk/MOSC_InformationTechnology.pdf

Job Description Summary

Performs highly advanced (senior-level) geographic information system work. Work involves planning, developing, coordinating, and implementing major agency program(s) and providing consultative services and technical assistance to program staff, governmental agencies, community organizations, or the general public. Train others and assists staff with Geographic Information Systems (GIS), data problems, and solutions. May supervise and perform quality checks on the works of others. May assist during state emergency events. Works under minimal supervision with extensive latitude for the use of initiative and independent judgment. Reports to the Director of Geographic Information Services Division in the Texas Natural Resources Information System (TNRIS) Office.

Essential Job Functions

- Coordinates, manages, and performs tasks on special projects in TNRIS.
- Coordinates with federal, state, and local entities to collect and develop data to support agency flood-related activities.
- Assists the Geographic Information Officer by providing guidance on emergency management events, especially when the State Operations Center is activated.
- Attends critical meetings relating to statewide GIS data or related activities as requested by the Director and report findings and tasks back to Director and critical staff.
- Provides timely responses to emergency management data requests.
- Provides guidance and leadership with complex geospatial problems to TNRIS and TWDB staff.
- Provides consultative services to other state agencies.

Female and minority applicants are encouraged to apply.

The Texas Water Development Board does not discriminate on basis of race, color, national origin, sex, religion, sexual orientation, age, or disability in employment or provision of services, programs, or activities.
Please visit TWDB Career Page: <http://www.twdb.texas.gov/jobs/> for more information.

Males born on or after January 1, 1960, will be required to present proof of Selective Service registration on the first day of employment or proof of exemption from Selective Service registration requirement. All offers of employment are contingent upon the candidate having legal authorization to work in the United States. Failure to present such authorization within the time specified by the U.S. Department of Labor will result in the offer being rescinded. Candidates must be eligible to work in the United States without requiring sponsorship. Only applicants interviewed will be notified of their selection or non-selection. Resumes will not be accepted in place of a completed State of Texas application unless indicated.

TWDB participates in E-Verify! Information from each new employee's Form I-9 will be provided to the Social Security Administration (SSA) and, if necessary, the Department of Homeland Security (DHS) to confirm work authorization.

HR-002 (Non-Supervisory)
Revised 06/26/2020



The TWDB is in compliance with the Americans with Disabilities Act and makes reasonable accommodations for applicants and employees with disabilities. If a reasonable accommodation is needed to participate in the job application or interview process, to perform essential job functions, and/or to receive other benefits of employment, please contact the Human Resources Division for assistance at (512) 475-2142. Deaf and hard of hearing applicants may contact our office via Relay Texas at 1-800-735-2989 (TTY/TDD).

Job Vacancy Notice (cont.)

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- Provides presentations to program staff, governmental agencies, community organizations, and the general public about TNRIS' data holdings and the benefits of GIS.
- Establishes and maintains relationships with internal and external customers and vendors related to TNRIS' data holdings and activities.
- Provides guidance and leadership in the development or implementation of new technologies and creates educational appliances.
- Locates, acquires, and disseminates natural resources and related socioeconomic data describing the Texas-Mexico border region.
- Represents TNRIS and the Board at conferences and symposiums.
- Maintains confidential and sensitive information.
- Ensures individual and team files (electronic and hard versions) are appropriately maintained and timely disposed of in accordance with the agency's records retention procedures and schedule.
- Maintains required certifications and licenses and meets the continuing education needs and requirements of the position to include, attending mandatory training courses.
- May be required to operate a state or personal vehicle for business purposes.
- Performs other duties as assigned.

Minimum Qualifications

- Graduation from an accredited college or university with major coursework in geographic information, computer science, computer engineering, or related fields.
- Five to seven years of experience conducting or leading studies of data to information processes, surface water resources, floodplain management or modeling, or a related field.
- Five to seven years of relevant work experience working with Geographic information systems including QGIS, Erdas Imagine, and ESRI suite of tools, geodatabases, map services.
- Experience evaluating and resolving complex business and technical problems across multiple disciplines.
- Experience using source revision control, issue tracking systems, and continuous integration or similar systems.
- Relevant education and experience may be substituted on a year-for-year basis.

Preferred Qualifications

- Graduation from an accredited college or university with major coursework in geographic information, geography, computer science, computer engineering, or related fields.
- Ten years of experience with GIS data development and/or database administration.
- Experience with state emergency management activities.
- Experience evaluating and resolving complex business and technical problems across multiple disciplines.
- Licensed as a Certified Floodplain Manager by the state of Texas or licensed in another U.S. state and able to obtain a CFM certification within six months of hire.

Knowledge, Skills, and Abilities (KSAs)

- Knowledge of local, state, and federal laws and regulations relevant to flood modeling and floodplain management; and of the principles and practices of public administration.
- Knowledge of advanced GIS techniques and models to extract information out of data.
- Knowledge of data science principles, best practices, and techniques.
- Skills in using Microsoft Office programs such as Word, Excel, PowerPoint, and Access.
- Skills in the use of the internet, email, word processing, spreadsheet, presentation, and database software.
- Skills with GIS applications; skills using QGIS, Erdas Imagine, ESRI ArcMap, and ArcGIS Pro software product suite with knowledge of Spatial and 3D Analyst extensions and exposure to geodatabase use and design.
- Skills with Lidar applications, skills using LASTools, and LP360 software products.
- Skills in reading and interpreting engineering documents, surveys, topographic information, and aerial photography.

Job Vacancy Notice (cont.)

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- Skills in the manipulation of data sets for hydrologic and hydraulic modeling, including topographic (e.g. Lidar point cloud, DEM, DSM, nDSM), soils, land cover, land parcels, and other data sets.
- Skills in working, creating, enhancing, combining, and querying very large raster and vector data sets (featuring multi-million features) and several GB in size.
- Skills in scientific data management, analysis, and interpretation.
- Skills in writing and preparing technical memos, reports, work process documents, and policy documents.
- Skills in project management and grant/contract administration, including developing scopes-of-work.
- Skills in communicating with elected, local, state, and federal officials, stakeholders, and the media.
- Ability to be self-motivated and to work under general direction with latitude for use of independent judgment.
- Ability to analyze and interpret information and ideas presented in writing.
- Ability to gather, assemble, correlate, and analyze facts.
- Ability to market programs.
- Ability to adhere to work schedules, follow procedures with respect to leave, and submit accurate timesheets by prescribed deadlines.
- Ability to make mature, objective decisions and identify areas of potential problems and devise solutions.
- Ability to perform effectively and willingly when changes occur in scope and nature of the work and work environment.
- Ability to perform routine and non-routine work assignments accurately and on-time with little or no supervision.
- Ability to perform assigned duties and improve work habits and/or output.
- Ability to complete assigned work, on time, neatly, and with infrequent errors.
- Ability to develop, evaluate, and interpret policies, procedures, and regulations.
- Ability to provide prompt, courteous, and accurate assistance and clear and concise communication to internal and external stakeholders, both verbally and in writing.
- Ability to work and cooperate with others in a team environment.
- Ability to manage multiple tasks.
- Ability to stand/sit/move with no physical limitations or aids to perform activities such as retrieve/replace files in a large file system for boxes up to 30 lbs.
- Ability and willingness to travel 5% of the time, primarily within the state of Texas.
- Ability to operate a vehicle (state or personal) for state business and maintain a driver's license and driving record that complies with state and agency requirements.
- Ability to workdays that may exceed 8 hours, including early mornings, nights, and weekends.
- Ability to train others, lead, assign, and prioritize staff workloads.

Remarks

- Copy of required academic transcripts and/or licensures and driving record must be submitted at the time of hire. Failure to provide required documentation will result in no further consideration for employment.
- Important Notice: Otherwise qualified candidates who are ultimately considered for potential employment with the Texas Water Development Board may be the subject of a request for any criminal history record information maintained by the Texas Department of Public Safety (DPS). Evidence of a criminal conviction or other relevant information obtained from the DPS shall not automatically disqualify an individual from employment with the Texas Water Development Board.